Some of the contents in this manual may differ from your device depending on the software of the device or your service provider.

SAMSUNG ELECTRONICS

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GT-I8000H

user manual

SAMSUNG

Read me first!

When you need information, instructions, and tips to learn more about your device, you have several options available:

- **Windows Help System** (on your device) - your device includes Windows Mobile Help. This embedded, searchable help system explains how to use various Microsoft programs and features.
- **User Manual** (printed) - this user manual has been specially designed to guide you through the functions and features of your device. It contains extensive information about Samsung software and features and tips for using and maintaining the device. For any topics not covered in this manual, please refer to the embedded help as described above.

Thank you for purchasing this device. This device will provide you with high quality mobile communication and entertainment based on Samsung's high technology and standards.

- Please read this manual carefully before using your device to ensure safe and correct use.
- The descriptions in this manual are based on the default settings of your device.

Instructional icons

Before you start, familiarise yourself with the icons you will see in this manual:

Warning – situations that could cause injury to yourself or others

Caution – situations that could cause damage to your device or other equipment

Note – notes, usage tips, or additional information

▶ **Refer to** – pages with related information; for example: ▶ p. 12 (represents "see page 12")

> **Followed by** – the order of options or menus you must select to perform a step; for example: Tap **Start** > **Samsung Settings** (represents **Start**, followed by **Settings**)

[ ] **Square brackets** – device keys; for example: [⏻] (represents the End/Power key)

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Windows® phone

ABOUT DIVX VIDEO

DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into Divx video. DivX Certified to play Divx® video up to 320x240.

ABOUT DIVX VIDEO-ON-DEMAND

This DivX Certified® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in the device setup menu. Go to vod.divx.com with this code to complete the registration process and learn more about DivX VOD.

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Introducing your device

Unpack

Your package contains the following items:

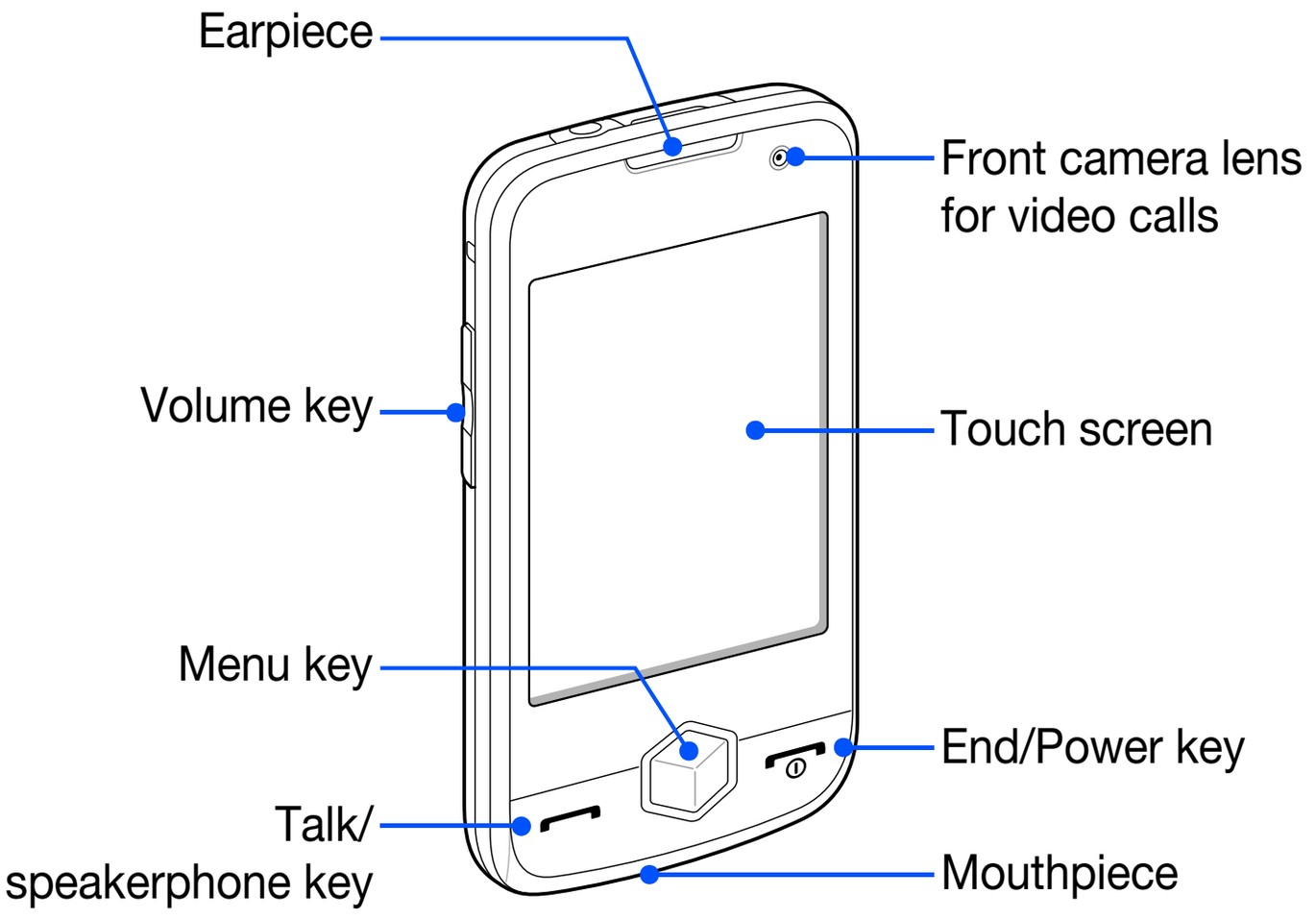
- Handset
- Battery
- Travel adapter (charger)
- CD-ROM*
- Stereo headset
- PC data cable
- User manual

- The items supplied with your device and available accessories may be different depending on your region or service provider.
- You can obtain additional accessories from your local Samsung dealer.
- Use only samsung-approved software. Pirated or illegal software may cause damage or malfunctions that are not covered by manufacture's warranty.

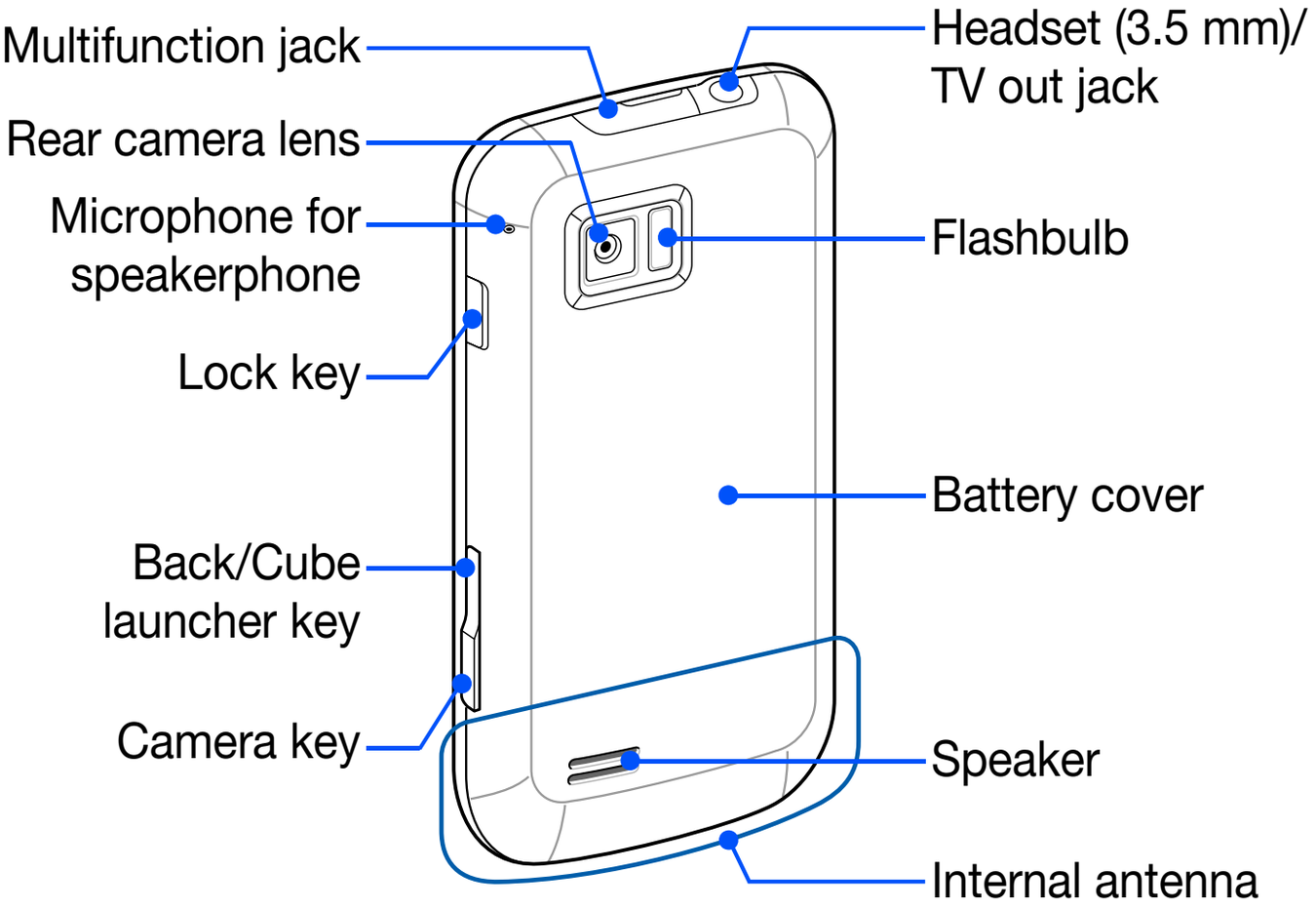
* The CD-ROM contains Microsoft ActiveSync software, add-on software, and other applications.

Get to know your device

Front view



Rear view


Multifunction jack
Rear camera lens
Microphone for speakerphone
Lock key
Back/Cube launcher key
Camera key
Headset (3.5 mm)/ TV out jack
Flashbulb
Battery cover
Speaker
Internal antenna

Keys

Key	Function
	Open the dialling screen; Make or answer a call; Activate the speakerphone during a call (press and hold)
	Access Main menu; Open the Task Switcher screen (press and hold)
	Turn the device on or off (press and hold); End a call; Return to the Today screen
	Adjust the volume; During a call, adjust the voice volume; During an incoming call, mute the call ringer
	Activate or deactivate Sleep mode; Lock or unlock the external keys and the touch screen (press and hold)
	• **Up** - Return to the previous menu level; Open the Cube launcher (press and hold) • **Down** - Activate the camera; In Camera mode, take a photo or record a video

Icons

Icon	Function
	UMTS network available
	UMTS network available (data call unavailable)
	UMTS network connected
	HSDPA network available
	HSDPA network connected
	ActiveSync in progress
	Battery full
	Low battery
	Battery charging

Icon	Function
	Attempt to access via Bluetooth or Bluetooth activated
	Bluetooth visibility activated
	Receiving data via Bluetooth
	Bluetooth stereo headset connected
	Bluetooth hands-free connected
	Call on hold
	Call forwarding activated
	Connected to a computer
	Data call in progress

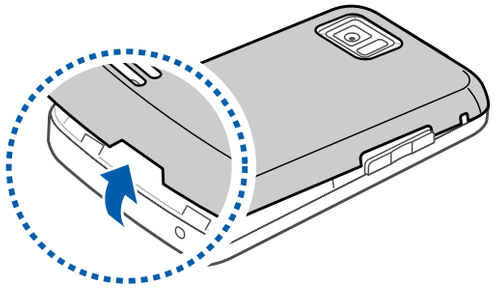
Icon	Function
	EDGE network available
	EDGE network connected
	GPRS network available
	GPRS network connected
	Searching for a signal
	Missed call
	More status icons available (tap the icon to see them)
	New text message (SMS)
	New email message
	New multimedia message (MMS)
	New voice mail message

Icon	Function
	No signal
	No SIM or USIM card
	Pending alarm
	Radio off
	Ringer on
	Ringer set to vibrate
	Roaming (outside of normal service area)
	Signal strength
	Synchronisation error
	Urgent notification (tap the icon to see the message)
	Voice call in progress
	Wi-Fi activated
	Wi-Fi data call in progress

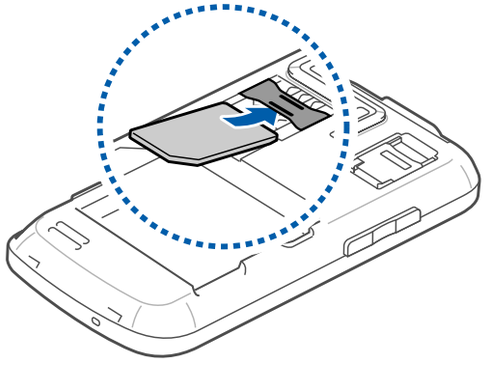
Assemble and prepare your device

Before you can use your device, you must install the SIM or USIM card, install the battery, and charge the battery. Installing a SIM or USIM card is optional, but may be required to fully utilise some applications and store media files.

Insert the SIM or USIM card and battery

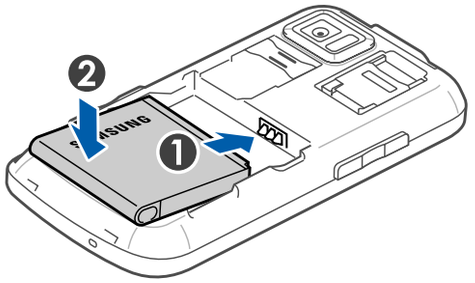


1 Remove the battery cover.

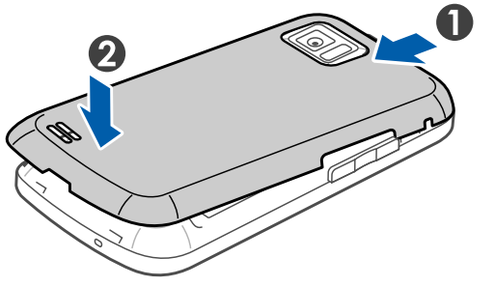


2 Insert the SIM or USIM card.

Insert the SIM or USIM card with the gold-coloured contacts facing the device.

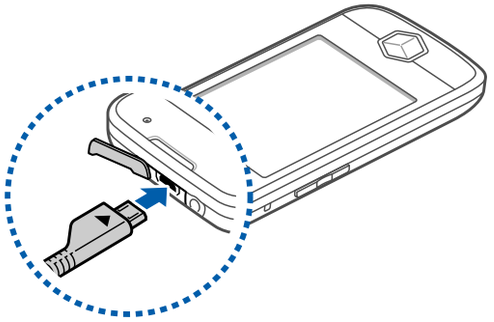


3 Insert the battery.



4 Replace the battery cover.

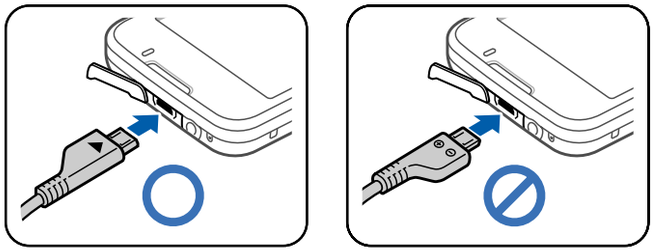
Charge battery



1 Open the cover to the multifunction jack on the top of the device.

2 Plug the small end of the travel adapter into the device.

CAUTION Improperly connecting the travel adapter can cause serious damage to the device. Any damages by misuse are not covered by the warranty.



3 Plug the large end of the travel adapter into a power outlet.

4 When charging is finished, unplug the travel adapter from the power outlet.

To ensure peak performance of your battery, fully charge and discharge (use until empty) the battery the first two or three times.

5 Remove the travel adapter from the device.

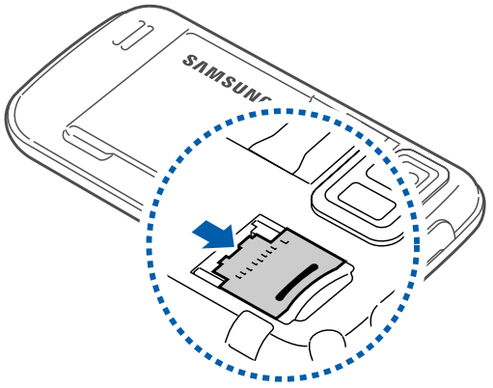
Although a charger cable is connected,

- The battery may not charge in some situations to protect the device.
- The battery level may remain low if the device is using a large amount of power.

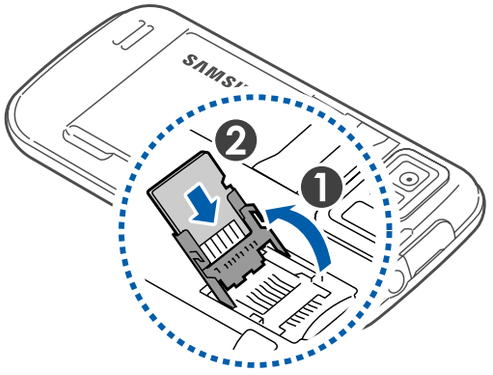
Insert a memory card (optional)

By inserting a memory card, you can store multimedia files and messages or back up your important information. Your device accepts microSD™ or microSDHC™ memory cards up to 32 GB (depending on memory card manufacturer and type).

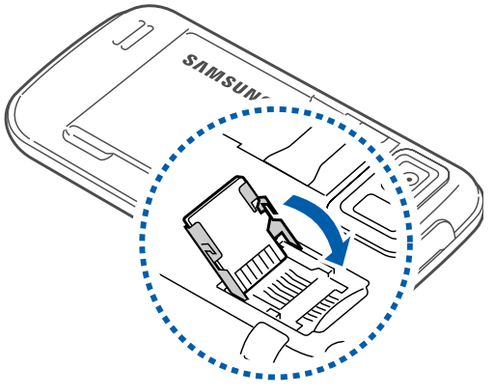
Formatting the memory card on a computer may cause incompatibility with your device. Format the memory card only on the device.



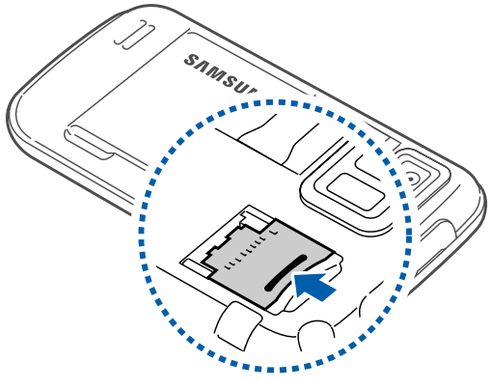
1 Remove the battery cover.



3 Lift the memory card holder and insert a memory card, as shown.



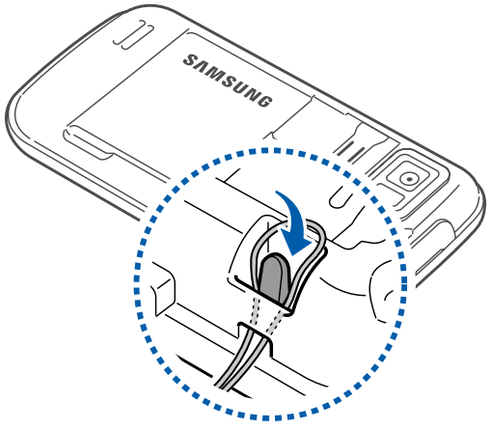
4 Close the memory card holder.



5 Lock the memory card holder.

6 Replace the battery cover.

Attach a hand strap (optional)



1 Remove the battery cover.

2 Slide a hand strap through the slot and hook it over the small projection.

3 Replace the battery cover.

Turn on your device for first time

1 Press and hold [⏻] to turn on your device.

2 Follow the on-screen instructions. Your device will automatically connect to the cellular network.

Activate Sleep mode

You can activate Sleep mode to save power when you do not use your device.
To activate Sleep mode, press the Lock key. Your device will turn off the screen. To deactivate Sleep mode, press the Lock key again.

Lock external keys and touch screen

You can lock the external keys and the touch screen to prevent any unwanted device operations from accidentally pressing any of the keys and the screen.

To lock the keys and the screen, press and hold the Lock key. To unlock, press and hold the Lock key again, or tap and hold the lock icon on the screen.

Use the touch screen

You can perform the following actions on your device's touch screen:

For optimal use of the touch screen, remove the screen protection film before using your device.

- Tap: Touch the screen once to select commands or launch applications.
- Tap-and-hold: Tap and hold an item to see a list of available actions. Tap the action you want to perform on the pop-up menu.

- Drag: Tap-and-hold a scroll bar or text and then drag it to move the bar or select text.

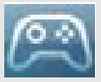
If your device does not respond accurately to your screen taps, realign your touch screen. To realign the screen, tap **Start**, tap **Samsung Settings** > **Basic Settings** tab > **General Settings** > **Align Screen** > **Align screen**.

Use the Cube launcher

The Cube launcher key provides quick access to some applications.

1. Press and hold the Back/Cube launcher key to open the Cube launcher.
2. Select the shortcut you want by rotating the cube to the appropriate side.

3 Tap the icon to launch the application.
The Cube launcher provides shortcuts to the following:

Icon	Function
	Photo
	Music library
	Video library
	Phonebook
	Games
	Internet

Disable wireless functions

1 Tap **Start** > **Samsung Settings**.

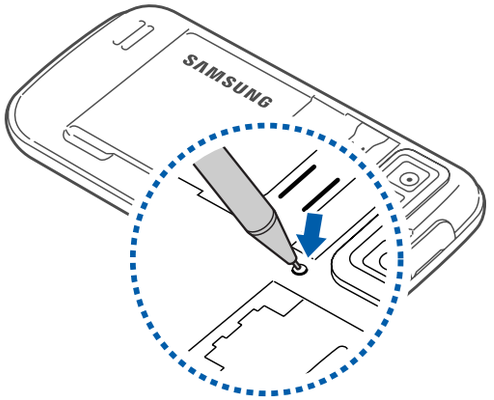
2 On the **Basic Settings** tab, tap **General Settings** > **Wireless Manager**.

3 Tap next to **Phone**.

- Your device will show on the top line of the screen.

To enable wireless functions, repeat steps 1-3 above.

Reset the device



If your device freezes or hangs, you may need to close programs or reset the device to regain functionality. If your device is still responsive but a program is frozen, close the program via Task Switcher. ▶ p. 39

If your device is frozen and unresponsive, remove the battery cover and use a small object, such as a toothpick, to press the reset button.

Customise your device

Learn to change themes and background images, add or remove items, and adjust the system volume from the Today screen.

Change your theme or background image

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **Display and Light**.
3. Tap **Theme** or **Wallpaper** and select the desired option to customise the display.
4. Tap **Yes** > **No** (if necessary).
5. When you are finished, tap **Done**.

Add or remove items on the Today screen

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **Display and Light**.
3. Tap **Items on Today**.
4. Tap the check boxes next to each item to add or remove items.
5. Tap **Done**.
6. When you are finished, tap **Done**.

Adjust the system volume

To adjust the system volume, press the Volume key up or down. To set the device to vibrate, press and hold the Volume key down.
To deactivate the vibrate feature, press and hold the Volume key down again.

Customise key shortcuts

Customise the key shortcuts activated by the Menu and Back/ Cube launcher keys. To customise the key shortcuts,

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **General Settings** > **Button**.
3. Tap **Assign a program**.

4 Tap the drop-down menu below a key action and select a program shortcut:

- **Button 1**: activated by pressing the Menu key
- **Button 1 Hold**: activated by pressing and holding the Menu key
- **Button 2**: activated by pressing the Back/Cube launcher key
- **Button 2 Hold**: activated by pressing and holding the Back/Cube launcher key

5 Repeat step 4 as needed to customise additional key shortcuts.

6 When you are finished, tap **Done.**

Activate Etiquette pause

You can temporarily pause the music player or mute event alarms by placing the device face down when Etiquette pause is activated. To activate Etiquette pause,

1 Tap **Start** > **Samsung Settings.**

2 On the **Basic Settings** tab, tap **Motion Settings** > **Etiquette.**

3 Tap next to **Enable etiquette pause**.

4 When you are finished, tap **Done**.

Turn touch tones on or off

1 Tap **Start** > **Samsung Settings**.

2 On the **Basic Settings**, tap **Sound Settings**.

3 Tap **Touch Alert**.

4 Tap drop-down menus to select the touch event and alert.

5 When you are finished, tap **Done**.

Adjust vibration intensity

1 Press the Volume key up or down and tap or to set the device to vibrate.

2 While in Vibrate mode, press the Volume key up or down to adjust the Vibration intensity.

Switch sound profiles (shortcuts)

To quickly switch your device from one sound profile to another, use one of the following shortcuts:

- **Vibrate**: press the Volume key up or down and tap or .
- **Silent**: press the Volume key up or down and tap or .
- **Ring**: press the Volume key up or down and tap or .

Turn off the backlight and the device

1 Tap **Start** > **Samsung Settings**.

2 On the **Basic Settings** tab, tap **General Settings** > **Power** > **Battery Power**.

3 Select a duration from the **Turn off backlight** drop-down menu.

4 Select a duration from the **Turn off device** drop-down menu.

5 When you are finished, tap **Done**.

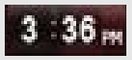
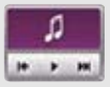
Use Widgets

Use widgets on the Today screen. Widgets are user friendly shortcuts to commonly used applications allowing you to customise the Today screen.

Open the toolbar

Tap the arrow at the bottom left of the Today screen to open the toolbar. You can rearrange widgets on the toolbar or drag them to the Today screen.

Depending on your region or service provider, available widgets may vary.

Widget	Function
	View the current time
	View the calendar
	Browse your photos and set a photo as the wallpaper
	Listen to music via the mini player
	Listen to the FM radio
	Change the current sound profile
	View new messages or missed calls
	View the network connection status
	Monitor your wireless connections
	Get the latest weather updates from AccuWeather*
	Use services from MySpace*
	Use services from FaceBook*
	Use services from YouTube*

Widget	Function
	Get news updates from CNN*
	Get updates from Yahoo! Finance*
	Search the web with Yahoo Search*
	Download new widgets from a website*
	Search the web with Google*

* These widgets require a connection to the internet, which may result in additional charges.

Drag the widgets to the Today screen

1. Tap the arrow at the bottom left of the Today screen to open the widget toolbar.
2. Drag a widget from the toolbar to the Today screen. You can position the widget anywhere on the screen.

Customise widgets

1. Tap the arrow at the bottom left of the Today screen to open the widget toolbar.
2. Tap at the top of the toolbar.
3. Tap the check boxes next to items that you want to appear on the toolbar.
4. When you are finished, tap **Done**.

Work with applications

Learn to open applications or folders and switch between open applications.

Open applications or folders

1. Tap **Start**.
2. To open an application, tap the application icon.
3. To open a folder, tap **My Files** and navigate to the desired folder.

Organise applications

1. Press the Meny key.

2 Tap **Edit**.

- Tap to move an application to **Others**.
- Tap to move an application from **Others**.
- Scroll left or right to move to one of Menu mode screens.
- Tap an application icon and move it to the location you want.
- Tap the screen name field to edit the screen name.

3 Tap **Save**.

Switch applications

Your device allows you to multi-task by running multiple applications at the same time.
To switch from one active application to another,

1 Press and hold the Menu key.

- Task Switcher shows thumbnail images of all open programs.

2 Scroll left or right and tap a thumbnail to switch to the corresponding application.

Close applications

To send the current application to the background, tap **x** or **ok.**

To close an application,

1. Press and hold the Menu key.
2. Scroll left or right to an application.
3. Tap **End**.
4. Tap .

Access the help system

To access the help system of your device, tap **Start** > **Help**. The embedded Help system appears.

Enter text

When you need to enter text, tap the default input panel icon ( ) at the bottom of the screen. Tap the arrow next to the icon and select one of the following input methods for entering text:

- Block Recognizer
- Keyboard
- Letter Recognizer
- Samsung Keypad
- Samsung Panel
- Transcriber

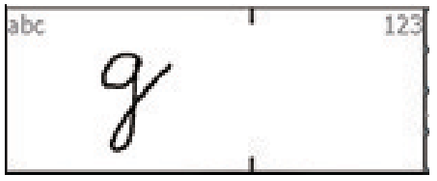
You can tap the input panel icon at any time to show or hide the input panel.

Enter text with Block Recognizer

Write individual letters and numbers in the writing area in the Palm Graffiti style.

1 Tap the input panel icon.

2 Tap the arrow next to the input panel icon and select **Block Recognizer**.



3 Write each character in the writing area at the bottom of the screen:

- Write letters on the left side of the writing area.
- Write numbers on the right side of the writing area.

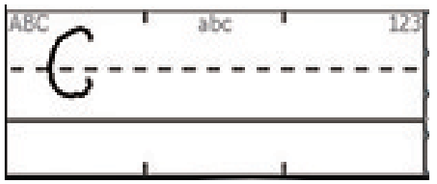
- Drag your finger upward to change the case (**ABC**, **Abc**, or **abc**).
- Tap once on the screen to enter symbols (**123** or **abc** will change to the icon).
- Drag your finger leftward to delete the last letter.
- To view demonstrations of how to enter characters, refer to the embedded help system.

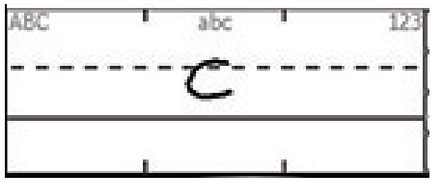
Enter text with the keyboard

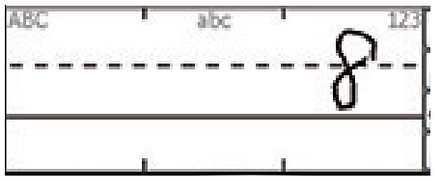
1. Tap the input panel icon.
2. Tap the arrow next to the input panel icon and select **Keyboard**.
3. Tap characters to enter your text:
   - To switch to numbers and symbols, tap **123**.

Enter text with Letter Recognizer

Write individual letters and numbers on the touch screen.







1. Tap the input panel icon.
2. Tap the arrow next to the input panel icon and select **Letter Recognizer**.
3. Write each character in the writing area at the bottom of the screen:
   - Write upper-case letters in the **ABC** column on the left side of the writing area.
   - Write lower-case letters in the **abc** column in the middle of the writing area.
   - Write numbers and symbols in the **123** column on the right side of the writing area.

To view demonstrations of how to write characters, refer to the embedded help system.

Enter text with Samsung Keypad

1. Tap the input panel icon.
2. Tap the arrow next to the input panel icon and select **Samsung Keypad**.
3. Tap characters to enter your text:
   - To enter the text in T9 mode, tap **MODE** to turn on **xt9**. Tap the appropriate keys to enter an entire word.

- To enter the text in ABC mode, tap **MODE** to turn off **xt9**. Tap the appropriate key to enter a character.
- To enter numbers, tap **CHT**.
- To enter symbols, tap **CHT**.

To change the keypad style, tap and hold **MODE** and select a style.

Enter text with Samsung Panel

1. Tap the input panel icon.
2. Tap the arrow next to the input panel icon and select **Samsung Panel**.
3. Write each character in the writing area. If the correct character does not display, select a candidate character.
   - To enter symbols, tap .

Enter text with Transcriber

With Transcriber, you can write anywhere on the screen. Unlike Letter Recognizer or Block Recognizer, you can use cursive (joined-up) handwriting to write complete words.

1. Tap the input panel icon.
2. Tap the arrow next to the input panel icon and select **Transcriber**.
3. Write legibly anywhere on the screen.
4. Pause and allow Transcriber to convert your writing to text.

You can access the following tools from the Transcriber toolbar:

Tap	To
	Change Transcriber options
	View demonstrations of how to write characters
	Open the list of punctuation marks, symbols, and numbers
	Change the input mode to **A**, **a**, or **123**
	Insert a space
	Start a new line
	Move the cursor to the left
	Move the cursor to the right
	Clear your input
	Open the embedded help

Communication

Work with contacts

Learn to use contact cards and groups to store personal information, such as names, phone numbers, and addresses.

Create a new Outlook or SIM contact card

1. Tap **Start** > **Phonebook**.
2. Tap **New** > **Save to outlook** or **Save to SIM**.
3. Enter contact information.
4. When you are finished entering information, tap **Done** to save the contact card.

Search for a contact card

1 Tap **Start** > **Phonebook**.

2 Tap .

3 Enter a few letters of the contact's name.

- As you enter letters, the screen will show contacts that match your input.
- You can also drag to select the first letter of the name.

4 Tap a contact to open it.

Copy or move contact cards

To copy or move contact cards from your device's memory to a SIM or USIM card and vice versa,

1 Tap **Start** > **Phonebook**.

2 To copy contacts, tap **Menu** > **Copy** > a copy option. Refer to step 5.

3 To move contacts, tap **Menu** > **Move** > a move option.

4 Tap the check boxes next to the contacts that you want to copy or move.

5 Tap **Done**.

Register numbers to the reject list

1 Tap **Start** > **Phonebook**.

2 Tap .

3 Tap **New**.

4 Enter a name for the new reject profile.

5 Tap the **Reject list** field.

6 Tap .

7 Select a category or **Type manually**.

8 Select contacts or enter numbers to reject and tap **Done**.

9 Tap **Done** to save the reject list.

10 Tap **Done**.

Organise your contacts into categories

1. Tap **Start** > **Phonebook**.
2. Tap a contact in the device's memory.
3. Tap **Edit**.
4. Scroll down and tap the categories field.
5. Tap the check boxes next to the desired categories.
6. Tap **Done**.
7. Tap **Done** to save the contact card.

Add a new category into categories

1. Tap **Start** > **Phonebook**.
2. Tap .
3. Tap **New**.
4. Tap the name field.

5 Enter a name and tap **Done**.

Assign a speed dial number to a contact card

To assign a speed dial number to one of your contacts,

1 Tap **Start** > **Phonebook**.

2 Tap .

3 Tap **New** and select a contact.

4 Select the contact's phone number to use for speed dialling.

5 Select a speed dial location.

Assign a photo to a contact card

1. Tap **Start** > **Phonebook**.
2. Tap a contact in the device's memory.
3. Tap **Edit**.
4. Tap the photo icon at the top left of the contact card.
5. Take a new photo or select a photo.
6. Align a face in the photo with a white box and tap **Done**.
7. Tap **Done** to save the contact card.

Assign a ringtone to a contact card

1. Tap **Start** > **Phonebook**.
2. Tap a contact in the device's memory.
3. Tap **Edit**.
4. Scroll down and tap **Add field**.
5. Scroll down and tap the ringtone field.
6. Select a ringtone.
7. Tap **Done**.
8. Tap **Done** twice to save the contact card.

View Phonebook information

Phonebook stores information about your contact entries, including how many contacts are stored in the device's memory or on the SIM or USIM card and how many SDN or FDN contacts you have created. To view this information,

1. Tap **Start** > **Phonebook**.
2. Tap **Menu** > **Phonebook Info**.

Calling

Learn to make and receive calls, reject calls, and adjust the call volume.

Make a call

1. Press [ ].
2. Enter an area code and phone number.
3. Tap or press [ ].
   - For a video call, tap **Menu** > **Video Call**.
4. To end the call, press [ ].

Make a call from Phonebook

1. Tap **Start** > **Phonebook**.
2. Tap a contact.
3. Tap a number.

Answer a call

1 Press [ ].

2 For a video call, tap **Show me** to allow the caller to see you via the front camera lens.

3 To end the call, press [ ].

Reject a call

Press [ ]. When you reject a call, the caller will hear a busy tone.

Adjust the call volume

To adjust the call volume, press the Volume key up or down during a call.

Set Auto Answer

Use the Auto Answer feature to automatically answer calls during hands-free operation. To activate the Auto Answer feature,

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **Phone Settings** > **General** > **Auto Answer**.
3. Select a length of time to delay before the device automatically answers calls.
4. Tap **Done**.

When using a headset, the device will automatically answer incoming calls after the length of time you specified for the delay.

Activate Call Waiting

Activate the Call Waiting feature to be notified of an incoming call while you are on the phone. To activate the Call Waiting feature,

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **Phone Settings** > **Voice Call** > **Call Waiting**.
3. Tap to activate the feature.
4. Tap **Done**.

Hold a call/retrieve a held call

While on a call, you can place a caller on hold. To place a caller on hold, tap **Hold**. While a caller is on hold, you may answer another call or use other features and applications. To retrieve a held call, tap **Retrieve**.

Bar (block) calls

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **Phone Settings**.
3. Tap **Voice Call** > **Call Barring** > **Get Settings...**
4. Tap the type of calls you want to bar.
5. Tap **Done**.

Make a multiparty call (conference call)

1. Call the first party you want to add to the multiparty call.
2. While connected to the first party, call the second party.
   - The first party is automatically placed on hold.
3. When connected to the second party, tap **Menu** > **Conference**.
4. Repeat steps 2-3 to add more parties (if necessary).
5. To end the multiparty call, press [⏻].

Call an international number

1. Press [ ].
2. Tap **Keypad** (if necessary).
3. Tap and hold 0 + to insert the **+** character (this replaces the international access code).
4. Tap the number keys to enter the complete number you want to dial (country code, area code, and phone number), and then tap or press [ ] to dial.
5. To end the call, press [ ].

Access the call log

1 Tap **Start** > **Call Log**.

2 Select one of the following filters for your call log results:

Icon	Function
	All calls
	Incoming calls
	Outgoing calls
	Missed calls

3 Scroll through the call log.

- To make a call, tap next to the number you want to dial.
- To check the call time, tap **Menu** > **Call Timer**. Tap to reset the call time.

Messaging

Learn to use messaging functions.

Send a text message

1 Tap **Start** > **Message**.

2 Tap .

3 Tap **Tap to add recipients** to enter a contact.

4 Tap the message field and enter your message text.

5 Tap **Send** to send the message.

Send a multimedia message

1. Tap **Start** > **Message**.
2. Tap .
3. Tap **Tap to add recipients** to enter a contact.
4. Tap the message field and enter your message text.
5. Tap the input panel icon to display the toolbar.
6. From the toolbar, tap one of the following icons to add an attachment:

Icon	Function
	Attach a photo
	Attach a music file
	Attach a video
	Capture and attach a photo
	Record and attach a voice memo

Icon	Function
	Record and attach a video

7 Tap **Menu** > **Attach** > an option to attach other types of files (if necessary).

8 Tap **Send** to send the message.

Send an email message

1 Tap **Start** > **E-mail**.

2 Tap the name of an email account.

3 Tap .

4 Tap the subject field and enter a message subject.

5 Tap the To field and enter the recipient's address.

6 Tap **ok**.

7 Tap the message field and enter your message text.

8 Tap the input panel icon to display the toolbar.

9 From the toolbar, tap one of the following icons to add an attachment:

Icon	Function
	Attach a photo
	Attach a music file
	Attach a video
	Capture and attach a photo
	Record and attach a voice memo
	Record and attach a video

10 Tap **Menu** > **Attach** > an option to attach other types of files (if necessary).

11 Tap **Send** to send the message.

Record and send a voice message

As an alternative to leaving a voicemail for one of your contacts, you can record and send a voice message via MMS. To record and send a voice message,

1. Tap **Start** > **Message**.
2. Tap .
3. Tap **Tap to add recipients** to enter a contact.
4. Tap .
5. Tap **Yes**.
6. Tap **Record** and speak into the mouthpiece to record your voice message.
7. When you are finished, tap **Stop**.
8. Tap **Select** to attach the recording to the message.
9. Tap **Send**.

View messages

You can access message folders for all your messaging accounts (email, SMS, and MMS).

To view messages,

1. Tap **Start** > **Message** or **E-mail**.
2. Tap the name of an account (if necessary).
3. Tap a message to view it.

Add an email account

1 Tap **Start** > **E-mail**.

2 Tap one of the preset email accounts or add a new account.

3 Enter your ID and password and tap **Done**, or follow the on-screen instructions to complete the account setup

Multimedia

Learn to capture photos and videos, listen to music, and take advantage of your device's multimedia features.

Camera

Your device allows you to take digital photos (jpg format) or record videos (mp4 and 3gp format).

Capture a photo

1 Press the Camera key.

2 Rotate the device anti-clockwise to the landscape orientation.

- The camera interface appears only in the landscape orientation.
- When the icons on the screen disappear, tap the screen to make them appear.

3 Aim the lens at the subject and make any adjustments. ▶ p. 73

4 Press the Camera key to capture a photo.

View a photo

1 From the viewfinder, tap .

2 Scroll to the photo you want.

Adjust Camera settings

From the viewfinder, tap an icon and then tap a mode or setting.

Icon	Function
	Switch to camcorder
	Change the shooting mode: • : Single • : Continuous • : Smile • : Mosaic • : Panorama • : Action
	Change the scene mode: • None: None • : Portrait • : Landscape • : Sunset • : Dusk & Dawn • : Night Shot • : Text • : Sports • : Back Light • : Party & Indoors • : Beach & Snow • : Fall Color • : Firework • : Candle Light
	Change the image resolution

Icon	Function
	Change the camera settings
	Change the flash setting: • : Off • : On • : Auto
	Change the auto focus setting: • : Auto • : Macro • : Face
	Adjust the brightness
	Access quick view

Record a video

1 Press the Camera key.

2 Rotate the device anti-clockwise to the landscape orientation.

- The camera interface appears only in the landscape orientation.
- When the icons on the screen disappear, tap the screen to make them appear.

3 Tap to launch the camcorder.

4 Aim the lens at the subject and make any adjustments.
▶ p. 76

5 Press the Camera key to begin recording.

6 When you are finished, tap or press the Camera key to stop recording.

Play a video

1 From the viewfinder, tap .

2 Scroll to the video you want.

3 Tap to play the video.

Adjust Camcorder settings

From the viewfinder, tap an icon and then tap a setting.

Icon	Function
	Switch to camera
	Change the recording mode: • : Normal • : MMS • : Slow
	Change the video resolution

Icon	Function
	Change the camcorder settings
	Change the flash setting: • : Off • : On • : Auto
	Adjust the brightness
	Access quick view

Capture photos in Smile shot mode

1 Press the Camera key.

2 Rotate the device anti-clockwise to the landscape orientation.

3 Tap > .

4 Aim the camera lens at your subject and press the Camera key.

- The device recognises faces in an image and detects when your subjects smile. When all your subjects are smiling, the camera will automatically capture the photo.

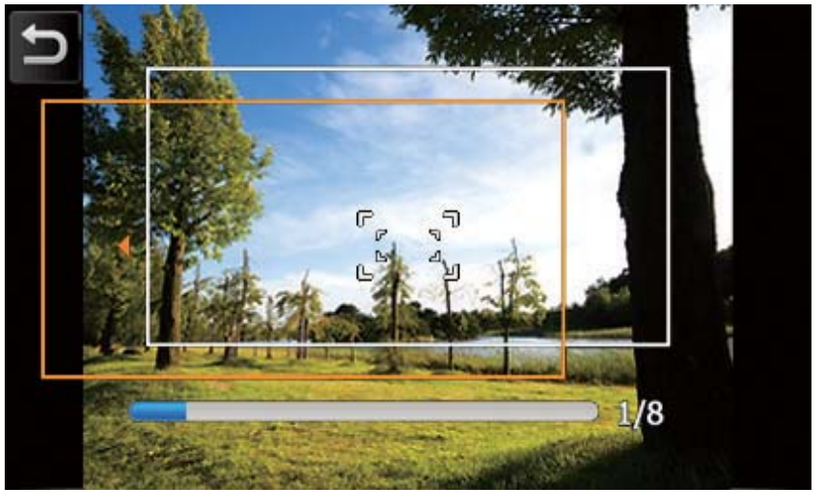
In some cases, you may have to disable smile shot to capture a photo of your subject, even if he or she is smiling.

Create a photo mosaic

1. Press the Camera key.
2. Rotate the device anti-clockwise to the landscape orientation.
3. Tap > .
4. Select a mosaic type.
5. Aim the camera lens at your subject and press the Camera key to capture the first shot.
6. Repeat step 5 to capture the rest of the shots. When you have captured all the shots necessary for the mosaic, the camera will automatically combine them into one photo.

Capture panoramic photos

1. Press the Camera key.
2. Rotate the device anti-clockwise to the landscape orientation.
3. Tap > .
4. Aim the camera lens at your subject and press the Camera key to capture the first shot.
5. Slowly move the device to a direction. When you align the white frame with the orange frame, the device captures the next photo automatically.



6 Repeat step 5 to capture the rest of the shots. When you have captured all the shots necessary for the panoramic photo, the camera will automatically combine them into one panoramic photo.

Capture photos in Action shot mode

In Action shot mode, you can capture shots of a moving subject and then combine them into a single photo that shows the action.

1 Press the Camera key.

2 Rotate the device anti-clockwise to the landscape orientation.

3 Tap > .

4 Aim the camera lens at your subject in motion and press the Camera key to capture the first shot.

5 Move the device to follow the moving subject. The device captures the next photo automatically.

6 Continue to follow the subject until the device has captured all the shots necessary for the action photo. The camera will automatically combine them into one photo.

- Move the device horizontally or vertically to track the moving subject.
- In Action shot mode, the part of the scene that is not captured appears black.
- The distance between the camera and subject should be at least 3 metres.
- For best results, capture photos in well-lit areas with plenty of contrast between the subject and the background.

Create a PhotoMemo

Use your device to combine a photo with text or drawings to create a PhotoMemo. Send a PhotoMemo to a business colleague to illustrate a new idea or send one to a friend as a virtual postcard of your travels.

To create a PhotoMemo,

1 Press the Camera key.

2 Rotate the device anti-clockwise to the landscape orientation.

3 Capture a photo or tap to switch to view mode.

4 Tap > .

5 Write or draw on and around the image. While creating the PhotoMemo, use the following tools:

Icon	Function
	Switch to Erase mode
	Switch to Draw mode
	Set the pen size
	Select a pen colour
	Clear the memo (erase all writing and drawings)
	Scroll up
	Scroll down
	Return to Preview mode

6 When you are finished, tap .

Send a photo

While using the camera, you can send photos to your contacts via multimedia message, email, or the Bluetooth wireless feature. You can also send photos to Connected Home-authorised devices. To send a photo,

1. Press the Camera key.
2. Rotate the device anti-clockwise to the landscape orientation.
3. Capture a photo or tap to switch to view mode.
4. Tap > a sending option.

   When sending a photo via MMS, you may be asked to allow the device to resize the photo. Tap **Yes** to allow the photo to be resized.

5. Select a recipient for the MMS, select an email account and enter an email address, or select a Bluetooth-enabled device, or select a Connected Home-authorised device.
6. Tap **Send** or the name of a device to send the photo.

Media Player

Your device is equipped with Media Player, as well as Windows Media Player. The procedures that follow explain how to use Media Player. For information about Windows Media Player, refer to the embedded help system.

Add music files to your device

Use any of the following methods to add music files to your device:

- Copy files to a memory card and insert the card into the device ▶ p. 19
- Download files from the wireless web (refer to the embedded help system)
- Receive via Bluetooth ▶ p. 165
- Synchronise with ActiveSync® ▶ p. 106

Update the library

1. Tap **Start** > **Media Player**.
2. Tap **Search** to locate and add new files to the Media Player library.
3. When the library is updated, tap **Done**.

Play music or video files

1. Tap **Start** > **Media Player**.
2. Tap **Player** (if necessary).
3. Tap to open the now playing list.
4. Tap .
5. Select files you want to play and tap **Done**.
6. Tap a file.

7 During playback, use the following controls:

Icon	Function
	Adjust the volume
	Skip to the previous file; Scan backward in a file (tap and hold)
	Pause playback
	Resume playback
	Skip to the next file; Scan forward in a file (tap and hold)
	• NOR: Select a surround sound system • NOR: Change the sound effect • NOR: Change the shuffle or repeat option • A-B: Specify a section to repeat

Create a playlist

1. Tap **Start** > **Media Player**.
2. Tap **Library** to view the library (if necessary).
3. Tap .
4. Tap **Menu** > **New Playlist**.
5. Enter a title for your new playlist.
6. Select a photo for your playlist (if necessary).
7. Tap **Done**.

Add files to a playlist

1 Tap **Start** > **Media Player**.

2 Tap **Library** to view the library (if necessary).

3 Tap .

4 Select a playlist.

5 Tap .

6 Select files you want to add and tap **Done**.

Use a song as a ringtone

While listening to music with Touch Player, you can set the currently playing song as your ringtone. To set the song as a ringtone, tap **Menu** > **Set as Ringtone**.

Photo

Learn to view photos and slideshows.

View a photo

1. Tap **Start** > **Photo**.
2. Tap a folder or tap **All** to view all thumbnails.
3. Tap a thumbnail to view the photo.
   - Double-tap the screen to zoom in.

Start a slideshow

1. Tap **Start** > **Photo**.
2. Tap a folder or tap **All** to view all thumbnails.
3. Tap **Slide show** or **Menu** > **Slide show**.
   - You can tap the screen and then to select a background music.

4 To end the slideshow, tap the screen and then OK.

Edit images

Learn to edit images and apply fun effects. To edit an image,

1 Tap **Start** > **Photo**.

2 Locate and tap a thumbnail to open an image.

3 Tap **Menu** > **Edit**.

4 Tap one of the following icons to edit the image:

Icon	Function
	Flip an image horizontally or vertically
	Rotate the image clockwise or anti-clockwise
	Resize the image
	Crop the image
	Adjust the brightness of the image
	Adjust the contrast of the image
	Apply an effect (▶ p. 93)

5 When you are finished, tap **Menu** > **Save as**.

6 Locate a folder and enter a name for the new image.

7 Tap **Done** > **OK**.

Apply effects to images

1 Tap **Start** > **Photo**.

2 Locate and tap a thumbnail to open an image.

3 Tap **Menu** > **Edit**.

4 Tap .

5 Tap one of the following icons to add an effect:

Icon	Function
	Apply a negative exposure effect
	Change the colour tone to black and white
	Change the colour tone to sepia

6 When you are finished, tap **Menu** > **Save as**.

7 Locate a folder and enter a name for the new image.

8 Tap **Done** > **OK**.

Digital Frame

With Digital Frame, you can view slideshows with background music.

View slideshows with background music

1. Tap **Start** > **Digital Frame**.
2. Rotate the device anti-clockwise to the landscape orientation.
3. Tap .
4. Rotate the device clockwise to the portrait orientation.
5. Tap a folder of photos to view and set transition effects and time.
6. Tap the sound field.
7. Tap the check boxes next to music files you want and tap **Select**.
8. Tap next to **Enable Background Sound**.

9 Tap **Done**.

10 Rotate the device anti-clockwise to the landscape orientation.

11 To start the slideshow, tap ▶.

12 During playback, use the following controls:

Icon	Function
	Change the layout of the display
	Skip to the previous photo
	End the slideshow
	Skip to the next photo
	Change the style of the date and time on the screen
	Change the slideshow settings
	Close Digital Frame

- Use the Volume key to adjust the volume.

FM Radio

You can listen to your favourite stations with FM radio.

Listen to the FM radio

1. Plug a headset into the headset jack.
2. Tap **Start** > **FM Radio**.
3. Tap **OK** to start the automatic tuning.
4. Tap **Done** when the tuning is done.
5. Tap a station you want.
6. Tap **Done** to switch to the radio screen.
7. Tap or to scan through available radio stations.
   - To tune a radio station, tap or .
   - To adjust the volume, tap .
   - To change the sound output, tap .

Save radio stations by automatic tuning

1 From the radio screen, tap **Scan** > **Yes**.

2 When the scan is complete, tap **Done**.

Save radio stations manually

1 From the radio screen, scroll to the radio station you want to save.

2 Tap one of the + symbols near the bottom of the screen.

Select a station

1 From the radio screen, tap **FM 1** or **FM 2**.

2 Tap the station you want from the area near the bottom of the screen.

Record the FM radio

1 From the radio screen, tap **Menu** > **Record** to record the current station.

2 When you are finished, tap **Stop**. The recorded file is saved in **My Storage** > **FM Radio**.

Video Editor

With Video Editor, you can edit or make videos by combining photos or videos.

Auto-crop a video

1 Tap **Start** > **Video Editor**.

2 Rotate the device anti-clockwise to the landscape orientation.

3 Select **Auto cut**.

4 Select a style and tap .

5 Tap the check boxes on a video and tap .

6 Tap to preview the video.

7 Tap to save the video.

8 Tap OK.

Add pre-recorded audio to a video

1 Tap **Start** > **Video Editor**.

2 Rotate the device anti-clockwise to the landscape orientation.

3 Select **Music movie**.

4 Select a style and tap .

5 Tap the check boxes on images to add and tap .

6 Delete images or tap to change how they are displayed (if necessary).

7 Tap .

8 Tap an audio file and tap OK.

9 Tap .

10 Tap **Enter text here**.

11 Rotate the device clockwise to the portrait orientation.

12 Enter a video title and tap **Done**.

13 Rotate the device anti-clockwise to the landscape orientation.

14 Tap .

15 Tap to preview the video.

16 Tap to save the video.

17 Tap OK.

Create a storyboard

1 Tap **Start** > **Video Editor**.

2 Rotate the device anti-clockwise to the landscape orientation.

3 Tap **Storyboard**.

4 Tap .

5 Tap the check boxes on each thumbnail image (videos or images) you want to add to the storyboard. To select all, tap (to deselect all, tap).

6 Tap Done.

7 Customise the storyboard as desired by tapping the following icons:

Icon	Function
	Add clips
	Add audio files
	Delete clips or change the order of clips

- To edit viewable duration, dub clips (record audio), add subtitles, edit transitions, and add effects, tap a thumbnail image and an appropriate icon.

8 Tap .

9 Tap to preview the video.

10 Tap to save the video.

11 Tap .

Games

Play fun games, such as Bubble Breaker and Solitaire. You can also download and play Java games on your device. To access games,

1 Tap **Start** > **Games** and a game.

Java

Your device supports applications and games built on the Java platform. To download Java-based applications,

1 Tap **Start** > **Java**.

2 Tap **Download Applications...** to launch the Opera browser and go to the Samsung Mobile website.

3 Follow the directions on the website to download new Java-based applications.

Personal productivity

ActiveSync

With ActiveSync, you can synchronise your device with a computer and back up and restore your data.

Install ActiveSync on your computer

Before you can synchronise your data, you must install ActiveSync, either from the supplied CD-ROM or the Microsoft website (http://www.microsoft.com).

To install ActiveSync from the supplied CD-ROM,

1. Insert the CD-ROM into your computer.
2. Follow the on-screen instructions to complete the setup.
3. When installation is complete, follow the on-screen instructions in the Synchronisation Setup Wizard to connect your device to the computer and create a data sharing partnership.

Connect your device to a computer

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **General Settings** > **USB Connection** > **ActiveSync**.
3. Tap **Done**.
4. Connect one end (mini-USB) of the PC data cable to the multifunction jack on your device and the other end to the USB port on your computer.

Synchronise your data

When you connect your device to a computer, ActiveSync should begin synchronising your data automatically. You can begin the synchronisation manually by clicking **Sync** from the Microsoft ActiveSync Window. To stop a synchronisation in progress, click **Stop**.

You can also manually find and copy files from your device to a computer and vice versa. From the Microsoft ActiveSync window, click **Explore**.

For more information on synchronising your data, refer to the embedded help system.

If you format the My Storage folder by using a connected computer, the writing speed to the My Storage folder may be reduced. Format the My Storage folder only from the device to avoid this situation.

Add an Exchange server

1. Tap **Start** > **ActiveSync**.
2. Tap **Menu** > **Add Server Source...**
3. Enter an email address.
4. Tap **Next**.
5. Enter your Exchange user name, password, and domain name.
6. Tap **Next**.
7. Enter a server address. To establish a secure connection, tap the check box that reads **This server requires an encrypted (SSL) connection**.
8. Tap **Next**.
9. Select the types of data to synchronise.
10. When you are finished, tap **Finish**.

Change the synchronisation schedule

If you routinely synchronise your data via an Exchange server, you can configure settings for both peak and off-peak schedules. To change the synchronisation schedules,

1. Tap **Start** > **ActiveSync**.
2. Tap **Menu** > **Schedule...**
3. Set the following options:
   - **Peak times**: set the frequency of synchronisations during peak hours
   - **Off-peak times**: set the frequency of synchronisations during off-peak hours
   - **Use above settings when roaming**: set to use the synchronisation schedules even when roaming
   - **Send/receive when I click Send**: set to synchronise when you tap **Send** in Messaging
4. When you are finished, tap **ok.**

TV out viewer

Connect your device to a television

You can connect your device to a television for enhanced viewing of photos and videos. To connect your device to a television,

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **General Settings** > **TV Out**.
3. Select the appropriate settings for your television.
4. When you are finished, tap **Done**.
5. Switch your television to External Input mode.
6. Connect the device to the television with a TV out cable.

Office Mobile

Learn to create and edit Excel workbooks and Word documents, open and view PowerPoint slideshows, use OneNote Mobile, and backup and restore your files. For more information about using Office Mobile, please refer to the embedded help on your device.

Create and edit an Excel workbook

1. Tap **Start** > **Office Mobile**.
2. Tap **Excel Mobile**.
3. Tap **New** to create a new workbook (if necessary).
4. Tap a cell to select it.
5. Enter values or text with the input panel and tap the Enter virtual key.
6. Repeat steps 4-5 to create a spreadsheet.

7 To format cells, tap **Menu** > **Edit**, **Insert**, **Format**, or **Tools**.

8 To save the workbook, tap **ok**.

Create and edit a Word document

1 Tap **Start** > **Office Mobile**.

2 Tap **Word Mobile**.

3 Tap **New** to create a new document (if necessary).

4 Create your document with the input panel.

5 To change the font or paragraph format, tap **Menu** > **Format** > **Font...** or **Paragraph...**

6 To save the document, tap **ok**.

Open and view a PowerPoint presentation

1. Tap **Start** > **Office Mobile**.
2. Tap **PowerPoint Mobile**.
3. Tap the drop-down menu in the top left of the screen to navigate folders and locate a PowerPoint file.
4. Tap the file name to launch the presentation.
5. Rotate the device anti-clockwise to the landscape orientation.
6. To advance the slides, tap the screen.
7. To go back to the previous slide, tap > **Previous**.
8. To end the presentation, tap > **End Show**.

Create and edit a note with OneNote Mobile

1. Tap **Start** > **Office Mobile**.
2. Tap **OneNote Mobile**.
3. Tap **New** to create a new note.
4. Create your text with the input panel.
5. When you are finished, tap **Done**.
6. To edit a note, tap the note and repeat steps 4-5.

Adobe Reader

Lean to open and view PDF documents.

Open and view a PDF file

1. Tap **Start** > **Adobe Reader LE**.
2. Navigate to a PDF file and tap the file name.

3 While viewing a PDF file, use the following tools:

Icon	Function
	Fit the document width
	Fit the document on the screen
	Go to the first page in the document
	Go to the previous page
	Go to the next page
	Go the last page in the document
	Zoom out
	Zoom in

- When zoomed in on a PDF page, drag the page around to reposition it on the screen.
- To zoom by a specific percentage, tap **Tools** > **Zoom** > **To %** and drag the slider to adjust the zoom. Tap **OK** to return to the document view.

Clock

Learn to set and control alarms, reminders, and world clocks. You can also use the stopwatch.

Set an alarm

1. Tap **Start** > **Clock**.
2. On the **Alarm** tab, tap **New**.
3. Set the alarm options.
4. When you are finished, tap **Done**.

The auto power-up feature sets the device to automatically turn on and sound the alarm at the designated time if the device is turned off. To use this feature, set the alarm to sound at least 3 minutes later.

Stop an alarm

When an alarm without snooze sounds, tap **Dismiss**. When an alarm with snooze sounds, tap **Dismiss** to stop it or **Snooze** to delay the alarm for the length of time you specified. Alarms with snooze will repeat according to the number of times you specified in the settings or until you tap **Dismiss**.

Schedule an anniversary

1. Tap **Start** > **Clock**.
2. On the **Anniversary** tab, tap **New**.
3. Set the anniversary options.
4. When you are finished, tap **Done**.

Create a world clock

1. Tap **Start** > **Clock**.
2. On the **World Clock** tab, tap **New**.
3. Tap to open a list of cities.

   Tap **Name** or **Time** to sort the list by name or time zone.
4. Tap a city.
5. Tap **Done**.
6. Tap **Set as Home clock** to reset the time zone (if necessary).
7. Tap **Done**.

Use the stopwatch

1. Tap **Start** > **Clock**.
2. On the **Stop watch** tab, tap **Start**.
3. Tap **Lap** to record lap times.

4 When you are finished, tap **Stop**.

5 Tap **Reset** to clear the recorded times.

Schedule

Use Touch Calendar to keep track of appointments, birthdays, or other events.

Create a calendar event

1 Tap **Start** > **Schedule**.

2 Tap **New**.

3 Complete the fields and adjust the settings for your event.

4 When you are finished, tap **Done**.

In the month view, a small triangle will appear under dates with scheduled appointments.

Change the calendar view

1 Tap **Start** > **Schedule**.

2 Tap a tab to change the calendar view:

- : a full month in one view
- : hourly blocks for the days in one full week (Monday to Sunday)
- : hourly blocks for one full day
- : a list of scheduled appointments

Stop an event reminder

When the reminder alarm sounds for a calender event, tap **Dismiss**.

Notes

Use Notes to create memos, sketches, and recordings.

Create a note

1. Tap **Start** > **Notes**.
2. Tap **New** to create a new note (if necessary).
3. Enter your note with the input panel.
   - To create sketches. ▶ Create a sketch
   - To create recordings, tap **Menu** > **View Recording Toolbar**.
4. When you are finished, tap **ok**.

Create a sketch

1. Tap **Start** > **Notes**.
2. Tap **New**.
3. Make your sketch with strokes.

4 To edit the sketch, tap **Menu** > **Draw**.

Tap the sketch to make the selection handles appear. You can then use the handles to drag or resize the sketch or tap **Menu** to access other options.

Memo

Use Memo to create memos that combine text and freehand drawing. To create a memo:

1 Tap **Start** > **Memo**.

2 Tap **New**.

3 Create your memo with the drawing tools.

4 When you are finished, tap **Save**.

5 Tap **OK**.

Recorder

Use Recorders to record, listen to, and send voice memos.

Record a voice memo

1. Tap **Start** > **Recorder**.
2. Tap **Record**.
3. Set the recording volume and tap to begin recording.
4. Record your voice memo.
5. When you are finished, tap .
6. Tap **OK**.

Listen to a voice memo

1 Tap **Start** > **Recorder**.

2 Tap a memo. Playback will begin automatically.

3 During playback, use the following controls:

Icon	Function
	Adjust the volume
	Skip to the previous file; Scan backward in a file (tap and hold)
	Pause playback
	Resume playback
	Skip to the next file; Scan forward in a file (tap and hold)

Tasks

Use Tasks to create to-do lists and reminders.

Create a task

1. Tap **Start** > **Tasks**.
2. Tap **Menu** > **New Task**.
3. Enter details for the task.

   To set a reminder for the task, tap the due field and set a due date. Next, tap the reminder field, select **Remind me**, and then specify the time and date of the reminder.

4. When you are finished, tap **ok**.

Mark a task as completed

After completing a task, tap **Start** > **Tasks**, and tap the check box next to the task name. Once you have marked a task complete, you will no longer receive any scheduled reminders for that task.

Calculator

Use the calculator to perform basic mathematical calculations. To perform a calculation,

1. Tap **Start** > **Calculator**.
2. Enter the first number using the calculator buttons on the screen.
   - To clear the displayed numbers, tap .
   - To clear the last digit entered in a multi-digit entry, tap .

3 Tap the appropriate math function.

4 Enter the second number.

5 To view the result, tap .

You can use the following buttons while performing calculations:

- : clear the number you entered
- : clear any value that is stored in the calculator's memory
- : recall the stored value from memory and inserts it into the current calculation
- : add the current number in the calculator's memory

To use a scientific calculator,

1. Tap **Start** > **Calculator**.
2. Tap **Scientific**.
3. Rotate the device anti-clockwise to the landscape orientation.
4. Perform a calculation by using the buttons on the screen.

Unit Converter

Use Unit Converter to convert one unit of measure to another.
To perform a conversion,

1. Tap **Start** > **Unit Converter**.
2. Select a type of measurement from the tabs at the top of the screen:
   - : Tip Calculator
   - : Length
   - : Weight

- : Area
- : Volume
- : Temperature
- : Currency

3 Select the unit of measure to convert.

4 Enter the base amount. The device displays the conversion result.

For the currency conversion, tap **Edit Rate** to set the basic rate first.

Smart Reader

Use Smart Reader to capture information from a business card or a document, and translate text.

Capture images of business cards or documents

1. Tap **Start** > **Smart Reader**.
2. Rotate the device anti-clockwise to the landscape orientation.
3. Tap **BizCard** or **Document**.
4. Align the business card or document in the screen.
   - For business cards, you must align the corners of the card with the corners of the frame (the frame will turn green when aligned).

5 Press the Camera key to capture the image.

- If you have activated the **BizCard automatic capture** setting, the device will automatically capture the image once the card is aligned in the frame.
- For best results, place business cards or documents on a flat, level surface and ensure adequate lighting.

6 Tap **Save**.

7 Tap **OK**.

Translate text

1. Tap **Start** > **Smart Reader**.
2. Rotate the device anti-clockwise to the landscape orientation.
3. Tap **Translation**.
4. Tap to select a translation type.
5. Align the text in the screen.
6. Press the Camera key to capture the image.
7. Draw a rectangle over the area you want to translate.
8. Tap .
   - To check the translated word, tap .
   - To draw a new rectangle, tap .

View captured images

1 Tap **Start** > **Smart Reader**.

2 Rotate the device anti-clockwise to the landscape orientation.

3 Tap **Image**.

4 Tap the following tabs to sort captured images:

Icon	Functions
	View all captured images
	View captured images of business cards
	View captured images of documents
	View captured images of translations

5 Scroll left or right to an image.

Web applications

Web browsing with Opera

Learn to access and bookmark your favourite web pages with the Opera browser.

- You may incur additional charges for accessing the web and downloading media.
- Available icons may vary depending on your region or service provider.

Browse the web

1. Tap **Start** > **Opera Browser**.
2. Scroll through the web page.

3 Navigate web pages by tapping the following controls:

Icon	Functions
	Return to the previous page
	Open a favourite web page
	Open a new tab or page, or pages you have previously accessed
	Open the homepage
	Open the browser menu

To search the web, tap the address bar at the top of the screen, tap the lower field and enter a keyword, and tap .
To change the default browser from Opera Browser to Internet Explorer, tap > **Settings** > **Advanced**. Clear the check box next to **Set Opera as default browser**.
To zoom in or out on some web pages, double-tap or tap and hold the screen.

Bookmark your favourite pages

To add a web page to your list of favourites,

1. Tap **Start** > **Opera Browser.**
2. Tap > .
3. Enter a name for the web page, the web address, and select a folder (you can add a new folder by tapping **Add new folder** in the drop-down menu).
4. When you are finished, tap .

Streaming Player

Use Streaming Player to watch videos or listen to audio files directly from the internet.

Stream media from the internet

1. Tap **Start** > **Streaming Player**.
2. Tap .
3. Enter the URL of a streaming media file.
4. Tap **Connect**.

5 During playback, use the following controls:

Icon	Function
	Adjust the volume
	Pause playback
	Resume playback
	Stop playback
	Zoom in or out

Set Auto Full Screen

Set Streaming Player to automatically switch to full screen mode when you begin streaming a file from the internet. To set Auto Full Screen,

1 Tap **Start** > **Streaming Player**.

2 Tap **Menu** > **Auto Full Screen**.

Midomi

Use the Midomi web service to identify songs either by singing or humming the song into your device or using your device to grab the song from the radio or other audio source.

Search for song information by singing or humming the song

1. Tap **Start** > **Midomi**.
2. Tap the **Sing** tab (if necessary).
3. Tap the area of the screen that reads **Tap and sing or hum** and begin singing or humming the song.

   Try to sing or hum at least 10 seconds of the song for best results.

4. When you are finished singing or humming, tap the area that reads **RECORDING**. The Midomi service will search for a match and return the results.

Search for song information by grabbing the song from an audio source

1. Tap **Start** > **Midomi**.
2. Tap the **Grab** tab (if necessary).
3. Tap the area of the screen that reads **Tap and hold to a speaker** and place the device near the audio source.

   Try to grab at least 10 seconds of the song for best results.
4. When you are finished, tap the area that reads **RECORDING**. The Midomi service will search for a match and return the results.

Filter results by language

1. Tap **Start** > **Midomi**.
2. Sing a song or grab a song and search for results.
3. When the list of results is returned, tap **Filter**.
4. Tap a language.
   The application will search for results that match only the selected language.

Check for updates

1. Tap **Start** > **Midomi**.
2. Tap **Menu** > **Check for updates**.
3. If an update is found, follow the on-screen instructions to download the update. If no update is found, tap **Ok**.

RSS Reader

Learn to use RSS reader to get the latest news and information from your favourite websites.

Subscribe to RSS feeds

To subscribe to RSS feeds by entering an address,

1. Tap **Start** > **RSS Reader**.
2. Tap a feed category.
3. Tap **Add Feed**.
4. Tap **Add RSS/ATOM URL**.
5. Enter the address of an RSS feed and tap **Done**.
6. Enter the name of the RSS feed and tap a feed category.
7. Tap **Add**.

To subscribe to RSS feeds by searching,

1 Tap **Start**.

2 On the **Internet** screen, tap **RSS Reader**.

3 Tap a feed category.

4 Tap **Add Feed**.

5 Tap **Search for Feeds**.

6 Enter a keyword and tap .

7 Tap a feed.

8 Tap **Add**.

Update and read RSS feeds

1 Tap **Start** > **RSS Reader**.

2 Tap a feed category > a feed.

3 Tap **Update**.

- Your device will attempt to connect to the internet. If necessary, activate your internet connection.

4 Tap **Done**.

5 Tap a feed and a link.

Mark feeds as read

1 Tap **Start** > **RSS Reader**.

2 Tap a feed category.

3 Tap **Menu** > **Mark as Read Mode**.

4 Tap the check box next to any feed to mark it as read.

5 Tap **Done**.

To mark feeds as unread, tap **Menu** > **Mark as Unread Mode** and remove the check mark next to any feed to mark it as unread.

Add new feed category

1 Tap **Start** > **RSS Reader**.

2 Tap **New Category**.

3 Enter a name for the new category.

4 Tap **Done**.

Podcast

Use Podcast to search for, download, and listen to podcasts.

Subscribe to Podcasts

To subscribe to Podcasts by entering an address,

1 Tap **Start**.

2 On the **Internet** screen, tap **Podcast**.

3 Tap **Menu** > **Add Podcast URL**.

4 Enter the address of a podcast and tap **Add**.

To subscribe to Podcasts by searching,

1 Tap **Start** > **Podcast**.

2 Tap **Menu** > **Search Podcast**.

3 Enter a keyword and tap . Your device searches for related podcasts and displays the results.

4 Tap the podcast you want to subscribe to and tap **Add** > **OK**.

Download and play podcasts

1 Tap **Start** > **Podcast**.

2 Tap a podcast.

3 Tap **Menu** > **Download**.

4 Tap podcasts you want to download.

5 Tap **Done** to download the podcasts.

6 When you are finished, tap **OK**.

Update your podcast library

Once you have subscribed to podcasts (▶ p. 144), you can easily update your library to listen to the latest episodes. To update your podcast library,

1 Tap **Start** > **Podcast**.

2 Tap **Update**.

3 Tap podcasts you want to update.

4 Tap **Done** > **Done**.

Qik

Qik allows you to easily broadcast live videos over the internet. You can share your live video with others or store the video so your friends and family can view it later.

Sign up for a new account

1 Tap **Start** > **Qik**.

2 Tap **New user**.

3 Enter user information.

4 Tap **Join**.

5 Follow the on-screen instructions.

Sign in to Qik

1. Tap **Start** > **Qik**.
2. Tap **Existing user**.
3. Enter your login ID and password.
4. Tap **Sign in**.
5. Follow the on-screen instructions.

Stream live video to your friends and family

1. Sign in to the Qik website.
2. Tap .

Your video will stream live via the Qik website. To see the live video, visit your personalised webpage: http://qik.com/*username*.

While streaming, you can control the streaming video with the following controls (tap the viewfinder to display or hide the controls):

Icon	Function
	Change the resolution
	Make the video stream private (accessibly only by logging in to the Qik website) or public (accessible to anyone)
	Turn the audio on or off
	Change settings
	Add a title and description to the video
	Send a link to the video via Twitter
	Start the video stream
	Stop the video stream

You can also zoom in or zoom out by pressing the Volume key up or down.

Communities

Communities is a convenient feature that allows you to post your photos to websites and blogs.

Upload photos

Use Communities to upload photos directly to your website or blog. To upload photos,

1. Tap **Start** > **Communities**.
2. Tap **Accept** (if necessary).
3. Tap a blog or website.
4. Tap **Upload**.
5. Enter your user name and password.
6. Tap **Done**.
7. Enter a title for your photo and tap **Tap to Add**.
8. Navigate to a photo and tap the thumbnail.

9 Select other options (if necessary).

10 Tap **Done**.

- The image will be uploaded to the website or blog.

11 When the upload is complete, you can go to the website, view the upload details, or return to the list of sites by tapping the appropriate button.

Upload photos at a later time (Upload reservation)

With the Upload reservation feature of Communities, you can set a specific date and time to upload your photos to a website or blog. To create an upload reservation,

1 Tap **Start** > **Communities**.

2 Tap **Menu** > **Options** > **Upload reservation**.

3 Tap **New**.

4 Tap a website or blog.

5 Enter a title for your image and tap **Tap to Add**.

6 Navigate to an image and tap the thumbnail.

7 Select other options (if necessary).

8 Tap the **Date** drop-down menu and select a date for the upload reservation.

9 Tap the **Time** drop-down menu and set a time for the upload reservation.

10 Tap **Done**.

Windows Live

With Windows Live, you can stay in touch with friends and quickly access information on the wireless web.

1 Tap **Start**.

2 Scroll to **Windows Live**, tap it.

3 Tap **Sign in to Windows Live**.

4 Tap **Accept** (if necessary).

5 Enter your login ID and password and tap **Next**.

6 Follow the on-screen instructions.

7 For more information about Windows Live, refer to the embedded help on your device.

Messenger

With Messenger, you can remain available to other users and stay up-to-date with your email without a constant connection to the wireless web. When a new message arrives or you want to access internet services, the connection will be restored.

Set up Messenger and sign in

1 Sign in to Windows Live (see the previous section).

2 Scroll to **Messenger**.

3 Tap **Tap here to sign in**.

4 Select your status and tap **Sign in**.

Chat with Messenger

1 Tap **Start**.

2 Scroll to **Messenger** and tap it.

3 Locate and tap a contact's name, and tap **Send IM**.

4 Enter a message in the text field at the bottom of the screen and tap **Send**.

5 While chatting, you can perform the following actions:

- Insert emoticons: tap **Menu** > **Add emoticon**.
- Transfer a file: tap **Menu** > **Send** > a file type > a file.
- Invite a contact to chat: tap **Menu** > **Options** > **Add participant**.
- Record and send a voice clip: select **Menu** > **Send** > **Voice clip**, record your voice clip, and tap **Send**.
- Switch between contact list and chat: scroll left or right.

6 To end the chat, tap **Menu** > **End conversation**.

Connectivity

Connect to the internet or your network

You can connect to your Internet Service Provider (ISP) and use the connection to send and receive email messages and to browse the internet. You can also connect to any private network, such as a corporate network you use at work.

Connect to the internet

1. Obtain the following information from your internet service provider: phone number for your ISP server, user name, and password.
2. Tap **Start** > **Samsung Settings**.
3. On the **Advanced Settings** tab, tap **Connection** > **Connections**.

4 In **CSL Internet Settings**, tap **Add a new modem connection**.

5 Create a modem connection. To view detailed information for any screen while changing the settings, tap the icon.

6 When the connection is successfully configured, run Opera Browser or Internet Explorer to begin browsing the internet. Your device will automatically attempt to connect.

> To set up a network card or wireless network connection to your ISP, add a new connection under **My Work Network**.

Connect to work

1 Obtain the following information from your network administrator: server phone number, user name, and password.

2 Tap **Start** > **Samsung Settings**.

3 On the **Advanced Settings** tab, tap **Connection** > **Connections**.

4 In **CSL Data Settings**, set up a modem, VPN server connection, or proxy server. To view detailed information for any screen while changing the settings, tap the icon.

5 When the connection is successfully configured, run Opera Browser or Internet Explorer to begin browsing the internet. Your device will automatically attempt to connect.

You can select an authentication method for GPRS connections by using **GPRS Authentications**.

End a connection

To disconnect,

- When connected via dial-up, VPN, or ISP, tap any connectivity icon on your status bar and tap the active network connection icon (, , , , or). The wireless manager screen appears. Tap **All Data Connection** and **Disconnect**.
- When connected via a cable, detach your device from the computer by disconnecting the cable.
- When connected via a modem or a network (Ethernet) card, remove the card from your device.

To set options to end a network connection,

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **General Settings** > **Wireless Manager**.
3. Tap **Menu** > **Data con. Settings**.
4. Tap the check box next to an option.
   - **End key (Short Press)**: When you press [ ], the network connection is disconnected.
   - **Sleep**: When Sleep mode activates, the network connection is disconnected.
   - **No packet for**: When the data packet is not transferred for the specific time interval, the network connection is disconnected. Tap the drop down menu to select a time interval.

Find the active network connection

The icons at the top of the display will show active connections. Tap any connectivity icon to view the active connection. A small window will display the connection information.

Wi-Fi and data connections can be active at the same time. When both connections are active, the device will use Wi-Fi as the default internet connection.

Use Internet Sharing

Set your device to be used as a wireless modem.

1. Connect your device to another device or computer via the USB port or Bluetooth.
2. Tap **Start** > **Internet Sharing**.
3. Select the PC connection and network connection types.
4. Tap **Connect** to activate the internet connection.

GPS

To use GPS applications of your device, you can connect to an external GPS receiver and enhance the GPS functionality.

Connect to an external GPS receiver

By default, the device uses the internal GPS receiver but you can connect to an external GPS receiver.

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **General Settings** > **GPS** > **Connection**.
3. In **GPS program port** drop-down menu, tap a port for GPS applications.
4. In **GPS hardware port** drop-down menu, tap a port for the external GPS receiver.
5. Select the baud rate and set whether or not to manage GPS automatically.

6 Tap **Done**.

Update the GPS functionality

Enhance the GPS functionality by downloading GPS data files. You can improve the speed and accuracy of positioning capability and expand your navigation to areas where cellular networks are not accessible. Use XTRA depending on your service provider.

To use XTRA,

1 Tap **Start** > **Samsung Settings**.

2 On the **Basic Settings** tab, tap **General Settings** > **GPS** > **XTRA**.

3 Tap next to **Enable XTRA Server**.

4 Select when to automatically download XTRA data.

5 Tap next to **Enable SNTP Server**.

6 Tap **Download XTRA Data**.

Bluetooth

You can connect with other Bluetooth-enabled wireless devices within a range. Walls or other obstacles between devices may block or impair the wireless connection.

Turn on the Bluetooth wireless feature

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **Network Settings** > **Bluetooth**.
3. Tap the device icon in the middle of the screen.
4. To allow other devices to find and connect to your device, tap **Menu** > **Device Info**, and tap next to **Enable visibility to other devices**.
5. Tap **Done**.

Change Bluetooth device names

You can alter the name that your device will display to other Bluetooth-enabled devices. To change the device name,

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **Network Settings** > **Bluetooth** > **Menu** > **Device Info**.
3. Tap the name input field.
4. Enter a device name.
5. Tap **Done**.

Search for and pair with a Bluetooth-enabled device

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **Network Settings** > **Bluetooth**.

3 Tap **Search**.

- Your device will search for and display the icons of Bluetooth-enabled devices.
- To select a search option, tap **Menu** > **Options** and select a type.

4 Drag a device icon into your device icon in the middle of the screen.

5 Enter the 1- to 16-digit Bluetooth PIN for the device you are trying to connect to and tap **Done**.

To pair with another Bluetooth-enabled device, both devices must use the same passcode. Headsets or hands-free car kits may use a fixed passcode, such as **0000**.

6 Tap the device icon to select services and tap **Done**.

Send data via the Bluetooth wireless feature

1 Open **My Files** or an application that your data has been saved in.

2 Tap and hold a file to send or tap **Menu**.

3 Select an option for sending via Bluetooth.

4 Tap a target device from the searched device list.

Receive data via the Bluetooth wireless feature

1 Enter the PIN for the Bluetooth wireless feature (if necessary).

2 After receiving data, tap **Yes** to save the data to your device.

To receive all incoming beams,

1 Tap **Start** > **Samsung Settings**.

2 On the **Basic Settings** tab, tap **Network Settings** > **Bluetooth** > **Menu** > **Device Service**.

3 Tap **Options** next to **Object Push**.

4 Check next to **Enable to receive all Incomming beams**.

5 Tap **Done**.

Activate the smart pairing option

Set your device to be paired with a hands-free or stereo headset automatically using the Bluetooth PIN you entered.

1 Tap **Start** > **Samsung Settings**.

2 On the **Basic Settings** tab, tap **Network Settings** > **Bluetooth** > **Menu** > **Device Service**.

3 Tap **Options** next to **Hands-free** or **Wireless Stereo**.

4 Check next to **Enable smart pairing**.

Wi-Fi

Your device features wireless networking capabilities that allow you to connect to wireless local area networks (WLANs).

Activate and connect to a WLAN

1. Tap **Start** > **Samsung Settings**.
2. On the **Basic Settings** tab, tap **Network Settings** > **Wi-Fi**.
3. Tap the device icon in the middle of the screen.
   - The device will start searching and display available WLAN connections.

4 Drag a network icon to the device icon in the middle of the screen.

- The device will attempt to connect to the WLAN.

5 Select a network profile and enter a password and tap **Done** (if necessary).

Create a new Wi-Fi connection

1 Tap **Start** > **Samsung Settings**.

2 On the **Basic Settings** tab, tap **Network Settings** > **Wi-Fi**.

3 Tap **Menu** > **Add New**.

4 Enter a network name and configure connection settings.

5 When you are finished, tap **Next**.

6 Enter network authentication settings and tap **Finish** or **Next**.

7 Set the IEEE 802.1x access option and the extensible authentication protocol (EAP) type (if necessary).

8 Tap **Finish**.

- The new Wi-Fi network will appear on the Wi-Fi screen. To connect to the network, drag the network icon to the device icon in the middle of the screen.

Connected Home

The connected home application allows you to share media files between devices in your home. You can access and play files from devices that support the Digital Living Network Alliance (DLNA) standard.

Play files with another device

1 Search for and connect to a network using the WLAN. ▶ p. 167

2 Tap **Start** > **Connected Home**.

3 Tap **SELECT CONTENTS**.

4 Tap the icon in the middle of the screen to select your device.

5 Tap **Menu** > **Settings**.

6 Tap **Sharing Folders...** under **My media Sharing**.

7 Tap **Add..** to share a folder (maximum of three folders).

8 Navigate to and tap a folder name.

> You can change a shared folder by tapping **Change...** and locating a new folder. You can remove a folder from the list of shared folders by tapping **Delete**.

9 Tap **Done** twice.

10 Tap the icon in the middle of the screen to select your device.

11 Select a folder and locate files.

12 Tap to return to the now playing list.

13 Tap **SELECT PLAYER**.

14 Select a player—the one that will play the media files.

- The media files of the selected folder appear or start playback on the selected player. You can control playback using icons of your device.
- A buffer may occur on the player depending on the network connection and the connected server.

Play files from one device to the other device

1 Search for and connect to a network using the WLAN.
▶ p. 167

2 Tap **Start** > **Connected Home**.

3 Select **SELECT CONTENTS**.

4 Select a device—the one that contains media files.

5 Select a folder and locate files.

6 Tap to return to the now playing list.

7 Select **SELECT PLAYER**.

8 Select a player – the one that will play the media files.

- The selected media files appear or start playback on the selected player. You can control playback using icons of your device.
- A buffer may occur on the player depending on the network connection and the connected server.

Download files to your device

1 Search for and connect to a network using the WLAN.
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2 Tap **Start** > **Connected Home**.

3 Select **SELECT CONTENTS**.

4 Select **Menu** > **Settings**.

5 Tap **Change...** under **Download location**.

6 Navigate to and tap a folder name.

7 Tap **Done**.

8 Select a device—the one that contains media files.

9 Select a folder and locate files.

10 Tap **Menu** > **Download**.

11 Select files and tap **Download**.

- The files will be downloaded to your device.

Delete files

You can delete files from the now playing list to prevent them from being played on your device. This will not delete the file from the server.

Troubleshooting

If you have trouble with your device, try these procedures before you contact a service professional.

When you turn on your device, the following messages may appear:

Message	Try this to solve the problem:
The SIM card is missing.	Ensure that the SIM or USIM card is installed correctly.
Enter PIN.	When using the device for the first time or when the PIN requirement feature is enabled, you must enter the PIN supplied with the SIM or USIM card. To disable the PIN requirement feature, tap **Start** > **Samsung Settings** > **Basic Settings** tab > **Security** > **SIM PIN**, and then tap next to **Require PIN when phone is used**.
SIM card blocked.	Your SIM or USIM card is blocked, usually as a result of entering your PIN incorrectly several times. You must enter the PUK supplied by your service provider.

Your device does not show a signal (no bars next to the network icon)

- If you just turned on the device, wait about 2 minutes for your device to find the network and receive a signal.
- You may not be able to receive a signal in tunnels or elevators. Move to an open area.
- You may be between service areas. You should receive a signal when you enter a service area.

You forgot a security code, PIN, or PUK

If you forget or lose this or another code, contact the seller or your service provider.

Your display shows white lines

The display may show white lines if you have turned the device on after a long period of disuse or if you removed the battery without first turning off the device. The display should correct itself in a short time.

You enter a number, but the call is not dialled

- Ensure that you have pressed [⌐].
- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the phone number.

You select a contact to call, but the call is not dialled

- Ensure that the correct number is stored in the contact information.
- Re-enter and save the number (if necessary).

Another caller cannot hear you speaking

- Ensure that you are not blocking the built-in microphone.
- Move the built-in microphone closer to your mouth.
- If using a headset, ensure that it is properly connected.

The sound quality of a call is poor

- Ensure that you are not blocking the internal antenna and the Bluetooth antenna. The internal antenna and the Bluetooth antenna are located at the bottom of the device.
- When you are in areas with weak signals, you may lose reception. Move to another area and try again.

The battery does not charge properly or sometimes your device turns itself off while charging

- Disconnect the device from the charger, remove and reinstall the battery, and try charging again.

- The battery terminals may be dirty. Wipe both gold-coloured contacts with a clean and soft cloth and try charging the battery again.
- If the battery no longer charges completely, dispose of the old battery properly and replace it with a new battery.
- If you are using the PC data cable to charge the battery, install ActiveSync on your computer first.

Your device is hot to the touch

When you use several applications at once, your device requires more power and may heat up. This is normal and should not affect your device's lifespan or performance.

Your device cannot connect to the internet

- Ensure that you have entered valid settings for your internet service provider.
- Ensure that you have activated the wireless connection to your mobile service provider and that the signal is not obstructed.
- Ensure that you have entered the correct user name and password.

You cannot find a Bluetooth-enabled device

- Ensure that both devices have activated the Bluetooth wireless feature.
- Ensure that the distance between the devices is not more than 10 metres and that they are not separated by walls or other obstacles.
- Ensure that the settings for each device allow them to be visible to other devices.
- Ensure that both devices are compatible with Bluetooth wireless technology.
- Ensure that the correct PIN has been entered on both devices.

You cannot listen to music on a remote Bluetooth headset

- Ensure that your device is connected to the headset.
- Ensure that the music format you are trying to listen to is supported by the headset.
- Ensure that the distance between the headset and device is not more than 10 metres and that they are not separated by walls or other obstacles.

Safety and usage information

Comply with the following precautions to avoid dangerous or illegal situations and ensure peak performance of your device.

Safety warnings

Keep your device away from small children and pets

Keep your device and all accessories out of the reach of small children or animals. Small parts may cause choking or serious injury if swallowed.

Protect your hearing

Listening to a headset at high volumes can damage your hearing. Use only the minimum volume setting necessary to hear your conversation or music.

Install mobile devices and equipment with caution

Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted. Avoid placing your device and accessories near or in an air bag deployment area. Improperly installed wireless equipment can cause serious injury when air bags inflate rapidly.

Handle and dispose of batteries and chargers with care

- Use only Samsung-approved batteries and chargers specifically designed for your device.
  Incompatible batteries and chargers can cause serious injuries or damage to your device.
- Never dispose of batteries or devices in a fire. Follow all local regulations when disposing of used batteries or devices.
- Never place batteries or devices on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode when overheated.
- Never crush or puncture the battery. Avoid exposing the battery to high external pressure, which can lead to an internal short circuit and overheating.

Avoid interference with pacemakers

Maintain a minimum of 15 cm (6 inches) between mobile devices and pacemakers to avoid potential interference, as recommended by manufacturers and the independent research group, Wireless Technology Research. If you have any reason to suspect that your device is interfering with a pacemaker or other medical device, turn off the device immediately and contact the manufacturer of the pacemaker or medical device for guidance.

Turn off the device in potentially explosive environments

Do not use your device at refuelling points (service stations) or near fuels or chemicals. Turn off your device whenever directed by warning signs or instructions. Your device could cause explosions or fire in and around fuel or chemical storage and transfer areas or blasting areas. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories.

Reduce the risk of repetitive motion injuries

While using your device, hold the device with a relaxed grip, press the keys lightly, use special features that reduce the number of keys you have to press (such as templates and predictive text), and take frequent breaks.

Do not use the device if the screen is cracked or broken

Broken glass or acrylic could cause injury to your hand and face. Bring the device to a Samsung service centre to replace the screen. Damage caused by careless handling will void your manufacturer's warranty.

Safety precautions

CAUTION

Drive safely at all times

Avoid using your device while driving and obey all regulations that restrict the use of mobile devices while driving. Use hands-free accessories to increase your safety when possible.

Follow all safety warnings and regulations

Comply with any regulations that restrict the use of a mobile device in a certain area.

Use only Samsung-approved accessories

Using incompatible accessories may damage your device or cause injury.

Turn off the device near medical equipment

Your device can interfere with medical equipment in hospitals or health care facilities. Follow all regulations, posted warnings, and directions from medical personnel.

Turn off the device or disable the wireless functions when in an aircraft

Your device can cause interference with aircraft equipment. Follow all airline regulations and turn off your device or switch to a mode that disables the wireless functions when directed by airline personnel.

Protect batteries and chargers from damage

- Avoid exposing batteries to very cold or very hot temperatures (below 0° C/32° F or above 45° C/113° F). Extreme temperatures can reduce the charging capacity and life of your batteries.
- Prevent batteries from contacting metal objects, as this can create a connection between the + and - terminals of your batteries and lead to temporary or permanent battery damage.
- Never use a damaged charger or battery.
- Risk of explosion if a battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Handle your device carefully and sensibly

- Do not disassemble your device due to a risk of electric shock.
- Do not allow your device to get wet—liquids can cause serious damage and will change the colour of the label that indicates water damage inside the device. Do not handle your device with wet hands. Water damage to your device can void your manufacturer's warranty.
- Avoid using or storing your device in dusty, dirty areas to prevent damage to moving parts.
- Your device is a complex electronic device—protect it from impacts and rough handling to avoid serious damage.
- Do not paint your device, as paint can clog moving parts and prevent proper operation.
- If your device has a camera flash or light, avoid using it close to the eyes of children or animals.
- Your device may be damaged by exposure to magnetic fields. Do not use carrying cases or accessories with magnetic closures or allow your device to come in contact with magnetic fields for extended periods of time.

Avoid interference with other electronic devices

Your device emits radio frequency (RF) signals that may interfere with unshielded or improperly shielded electronic equipment, such as pacemakers, hearing aids, medical devices, and other electronic devices in homes or vehicles. Consult the manufacturers of your electronic devices to solve any interference problems you experience.

Important usage information

Use your device in the normal position

Avoid contact with your device's internal antenna.

Allow only qualified personnel to service your device

Allowing unqualified personnel to service your device may result in damage to your device and will void your warranty.

Ensure maximum battery and charger life

- Avoid charging batteries for more than a week, as overcharging may shorten battery life.
- Over time, unused batteries will discharge and must be recharged before use.
- Disconnect chargers from power sources when not in use.
- Use batteries only for their intended purpose.

Handle SIM cards and memory cards with care

- Do not remove a card while the device is transferring or accessing information, as this could result in loss of data and/or damage to the card or device.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Frequent writing and erasing will shorten the life span of memory cards.
- Do not touch gold-coloured contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.

Ensure access to emergency services

Emergency calls from your device may not be possible in some areas or circumstances. Before travelling in remote or undeveloped areas, plan an alternate method of contacting emergency services personnel.

Specific Absorption Rate (SAR) certification information

Your device conforms to European Union (EU) standards that limit human exposure to radio frequency (RF) energy emitted by radio and telecommunications equipment. These standards prevent the sale of mobile devices that exceed a maximum exposure level (known as the Specific Absorption Rate, or SAR) of 2.0 watts per kilogram.

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